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Term	Documents
COMPLEMENTAL.DWPI,EPAB,JPAB,USPT.	6821
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DETERMININGS.DWPI,EPAB,JPAB,USPT.	7
REGION\$1	0
REGION.DWPI,EPAB,JPAB,USPT.	1108399
REGIONA.DWPI,EPAB,JPAB,USPT.	40
REGIONB.DWPI,EPAB,JPAB,USPT.	1
REGIONC.DWPI,EPAB,JPAB,USPT.	2
REGIOND.DWPI,EPAB,JPAB,USPT.	5
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Clear

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side by side			result set
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<u>L4</u>	L3 and fluorescent	12	<u>L4</u>
<u>L3</u>	L2 and antibod\$3	18	<u>L3</u>
<u>L2</u>	immuno-polymerase chain reaction\$1	18	<u>L2</u>
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=> s immuno(10a)polymerase chain reaction#

L1 244 IMMUNO(10A) POLYMERASE CHAIN REACTION#

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L2 0 L1 AND COMPLEMENTAL DETERMINING REGION#

=> s l1 and epitope#

L3 6 L1 AND EPITOPE#

=> s l3 and fluorescent

L4 1 L3 AND FLUORESCENT

=> d l4 bib ab kwic

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 2002:72407 CAPLUS

DN 136:131193

TI Collections of binding proteins and tags and uses thereof for nested sorting and high throughput screening

IN Ault-Riche, Dana; Kassner, Paul D.

PA Pointilliste, Inc., USA

SO PCT Int. Appl., 160 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

PI WO 2002006834 A2 20020124 WO 2001-US22821 20010718

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PRAI US 2000-219183P P 20000719

AB The invention concerns addressable collections of anti-tag capture agents, such as antibodies, that are used as tools for sorting proteins contain polypeptide tags for which the capture agents are specific. Also provided are methods of nested sorting using the collections. The methods includes the steps of creating tagged collections of mols. by introducing a set of nucleic acid mols. that encode unique preselected polypeptides to create a library of tagged mols.; either before or after introducing the tags, dividing the library into N divisions; translating each division and reacting each with one of N capture agent collections, identifying the capture agents bound to the polypeptide tags linked to mols. on interest, and thereby identifying the one of the divided collections that contains the mols. of interest. The method can further include adding a new set of tags and repeating the sorting process with the same or a different collection capture agents and thereby identifying a protein or mol. of interest.

IT Bar code labels
Bioinformatics
Charge coupled devices
Computer application
DNA microarray technology
DNA sequences
Epitopes
Fluorescent dyes
Fluorometers
Genetic methods
High throughput screening
Immunoassay
Magnetic particles
Microspheres
Microtiter plates
Molecular association
Nucleic acid amplification (method)
Nucleic acid library
PCR (polymerase chain reaction)
Phage display library
Protein sequences

(collections of binding proteins and tags and uses thereof for nested sorting and high throughput screening)

IT PCR (polymerase chain reaction)
(immuno-; collections of binding proteins and tags and uses thereof for nested sorting and high throughput screening)